12CH MOVING HEAD LIGHT

Item No : CK-403

USER MANUAL

www.cklight.com.cn

©Copyright

Note: This instructions include the important information how to safely install and use. After reading carefully, please operate it as required. At the same time, please keep a proper record of this specification in case of necessary.

Firstly, thanks for buying our professional light products!

This moving head light is just the perfect combinations of excellent human nature and industrial design, beautiful and elegant. By using aluminum alloy and high temperature engineering plastics design, the Light body has a good cooling effect especially with the ultra-quiet cooling fan. This machine used electronic positioning technology . All the products are according with CE standards, adopting international standards DMX512 signal control . It's widely used in television, disco, song and dance halls, nightclubs and other indoor places.

The product has perfect performance and intergrity packing. All users should be strictly comply with the warning and operating instructions as stated. Or we aren't in charge of any result by misusing. Any damage resulting by misuse is not within the Company's warranty. Any fault or problem caused by neglecting the manual is also not in the charge of dealers .

If the manual has technology changes, forgive to have no notice.

Appurtenance

The following attachment has been packaged together with the lamp. Please Check:

XLR 3-core signal lines (1PCS)
Power cord (1PCS)
The instruction （1PCS）
Auxiliary metal gobos (Option 4PCS)
Hanging hook (Option 2PCS)

Warning

Before your first using, please check whether it has any damages caused by the transportation. If occuring, Please don’t use and contact with the dealer or manufacturer as soon as possible.

This product only apply to indoor places and the defend level is IP20. Keep it dry, avoiding moisture, overheating or dusty environment. Prevent the light from water and other liquids..

Please don’t directly install lamps on the surface of the nomal combustible material.

The qualified professionals are allowed to carry out the lamp installation, operation and maintenance, but they must guarantee to operate in strict accordance with the instructions referred to.

Lamps should be installed in a well-ventilated place, at a distance of 50 centimeters or more with the walls. At the same time, please check if the fan and ventilation holes are unobstructed

Please don’t directly project the lamps on combustible objects . Keep more than 3 meters between the lighting and exposured objections. ◁ 3m ⋿

Please don't look directly at the lamp light source (especially for the epilepsy patients), in order to avoid damages to the eyes!
Please do not open it to repair by yourself.

The person having the appropriate qualifications, are allowed to carry out the operation.

Before installing, make sure the using supplied voltage is in line with the lamp voltage.

Each lamp should be properly grounded and installed in accordance with the relevant standards.

Please don’t connecte the lamp to any other dimming device.

Please don’t use the power cord , which has injuried insulating layer. At the same time, don’t conect the power cord to other wires. When not using or cleaning the lamps, please take the power cord plug and then unplug the power cord, not forcing to drag or directly dropping the power cord.

Keep bulbs clean, do not directly contact with the glass bulb by hands.

There is a insurance rope connecting hole at the bottom of the lamps. Based on the safety reason, please connecte the insurance rope through the hole to have a auxiliary intallment.

This product use discharge lamp, based on the characteristics of the discharge lamp, please restart it after turning off lamps for 15 minutes untill full-cooling. Frequent switching will reduce the life span of lamps and bulbs; intermittent useing will improve the life of bulbs and lamps.

Please do not run the lights before installing the bulb.

There are no any parts users can repair inside the lamps. Before operating Please check if all of the cover plate (or shell) is well installed, the screw has been reliable on tight. Prohibit the plate (or shell) to open the case of the use of lamps.

If you have any questions or suggestions, please timely contact the Company or distributor.

Key: Before having any installation, repair and cleaning, make sure that power has been cut off!

Structure and installation of lighting

With 4 attached hanging hooks quick knobbing, Have 2 hanging hooks installed at the bottom of the lamp, and then hanging lamps on the stable bracket, Tighten up the hanging hook bolt and fix the entire lamp. Please confirm that it has a solid and reliable installation, and ensure that the hoisting position has sufficient strength to bear the weight of the lamp. For security reasons, please connecte the insurance rope through the hole to have a auxiliary intallment.

Warning: hanging hook is only used in lifting the lamps. Prohibited taking the hanging hook as handle carrying the lamps. Be sure to use the handle.

Install / replace light bulbs

As it’s shown, release the the screws on the cover of the lamp body and open it.

Opened two light bulbs screw nut, remove out the old bulb.When removing, it is recommended to remove one side at first.

Fitted with new light bulbs, tighten two bulbs nut. Note: When loading a new light bulb, the hands can not directly contact the spherical body of the lamp so as not to affect luminous efficiency; there is a protuberance on the buble, when installed, we must let the protuberance is vertical to the rear cover with a fan. After re-installing, equip with the cover and tighten screws

.

Key: The lamps used high-pressure discharge lamp with external triggers (). When using the light bulbs, Please read the "Guide."

Power Connection

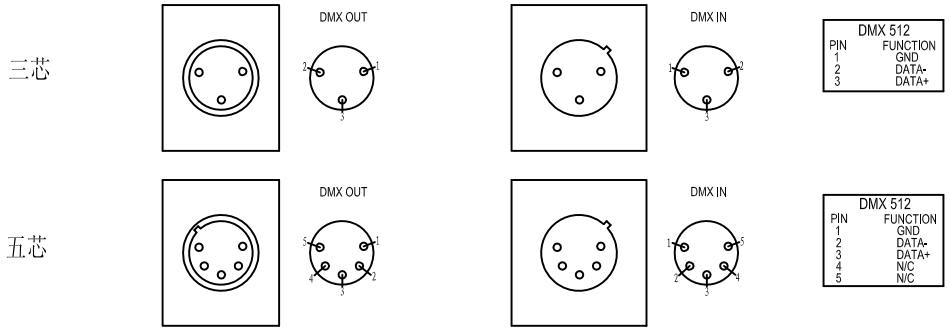
Connect Power cord as following methods:

L (FireWire) = brown line
E (GND) = yellow / green two-color line
N (midline) = Blue Line

Please note that power supply voltage and frequency comply with the ones marked on thelogos of lamps. When more than one lamp are used, propose that each lamp’s power is connected separately, so that we can have a separate on / off control.

Key: Ground wire must be (yellow / green two-color lines) safely connected to the ground, electrical installation shall comply with all relevant standards.

Control signal connection

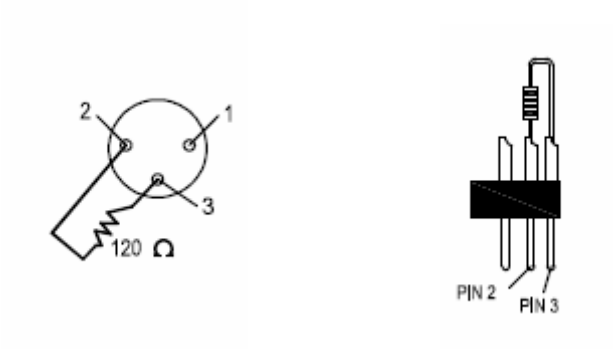


Controller, as well as lamps and lamps with the lamps must be used between the link is not less than 0.5 mm in diameter two-core wire with

shielding. Please use 3-core (random incidental) or 5-core XLR plug / Block DMX512 output connected to the lamp / entrance. XLR plug / Block and wire connection between the list such as shown in the figure above. It should be noted that, when connected to XLR Plug / Block 3 of the core or core-5 should not in contact with the inner shell and core and between cores can not touch. In addition to the list as shown in the figure above connection methods, XLR plug / XLR Line of Control Block, and should not in any other way connected. Lighting 1200W receive international standard DMX512 (1990) control signal

XLR-XLR to use the line of control from the controller's DMX output to connect to the first machine from the DMX input and from the first DMX output from the machine I connect to the second machine from the DMX input, and so and so on, until all the connections from the machine completed, and then loop connecting plug at the last output signal lamps to complete the connection controller mode.

In the "Controller mode", the last DMX output lamps have to connect DMX loop inserted. This loop inserted "Canon (XLR)" 2-pin plugs with a 3-pin connection between a 120Ω (OHM) about the resistance (as in the figure below). Play Play this loop at the last output on the lamp, which can effectively avoid the DMX512 signal during transmission noise and reflection phenomena.



（Connect map）

DMX

DMX channel for controlling the content

575 W moving head lights have 12 chanels, receiving the international standard DMX512 signal. As follows

Channel	DMX	Features
1 Colour Wheel	0-25	White
	26-51	Purple
	52-76	Yellow
	77-103	Cyan
	104-129	Orange
	130-154	Blue
	155-181	Green
	182-199	Red
	200-255	Fast to slow
2 Rotating Gobo	0-25	white
	26-51	Gobo1
	52-76	Gobo 2
	77-103	Gobo 3
	104-129	Gobo 4
	130-154	Gobo 5
	155-181	Gobo 6
	182-199	Gobo 7
	200-255	Slow to fast
3 Gobo Rotation	0-126	Clockwise rotation, fast to slow
	127-255	Reverse rotation, slow to fast
4 Dimmer /Strobe	000-005	Cover
	006-070	Lineary dimmer(0-100%)
	071-130	white
	131-253	Strobe speed slow to fast
	254-255	white
5 Pan	000-255	Pan rotation
6 16Bit Pan Fine	000-255	Pan 16Bit fine
7 Tilt	000-255	Tilt rotation
8 16Bit Tilt Fine	000-255	Tilt 16Bit fine
9 Pan & Tilt Speed	000-255	Pan, tilt speed fast to slow
10 Prism prism Rotatom	051-101	prism
	102-152	Prism rotation fast to slow
	204-255	prism
11 Focus	000-255	Lineary focus
12 Control	0-254	
	255	All the machine reset， Restart after stopping 10 seconds

Control Panel LED Display Signal Description

Green: light - DMX signal OK or from the machine;
Out - no DMX signal;
Flashover - DMX signal error;
Red lights: Medium-speed flash - menu setting mode;
Express flash - software, cpu failure;
Traffic lights at the same time-liang: Address setting mode;
Traffic lights flash alternately: the host.
Control Panel LED Display Signal Description

Maintenance

When the camera has broken and other damage should be promptly replaced. When the light bulb when there is deformation of the damage should be immediately replaced. When the lights brightness decreased, the bulbs may have to use the time limit should be the timely replacement of aging light bulb has burst danger. When the lamp will not boot, check whether the lamp power supply fuse blown, such as blown, fuse fitted on the corresponding specifications can 6.35X32 T15A/250V. Lamps inside the motherboard has three fuses, specifications, respectively: X-axis and Y-axis circuit boards circuit boards one each 6.3A/250V (speed melting, 5mmx20mm) and the motor drive circuit board and a 4A/250V (fast melt, 5mmx20mm). Attention to the need to use the same specifications of the fuse. Lamps equipped with overheating protection device, when the overheating protection device will automatically cut off power supply, when this happens, check whether the normal operation of the fan, fan, fans and whether or not there is dust plug the Net to find out after the start troubleshooting lamps.

But take note that qualified technical personnel are allowed to carry out maintenance work.

Lubrication

Chip design in order to maintain smooth rotation and smooth exercise focusing lens, it is recommended to rotate every two months to design a small bearings and focusing lens first two rail lubrication. Should be used for good and high temperature grease.

Lamp cleaning

In order to ensure reliable use of lamps to maintain clean the lamp is very necessary. Cooling fan should be clean once every 15 days. Internal and external optical lenses, reflectors and filter cleaning coating must be carried out periodically to optimize light output efficiency. Do not use any solvent containing the chemical constituents of cleaning filter coating.

Cleaning operation of the lamp, as the frequency and use the surrounding environment. With a soft cloth when cleaning and general cleaning products for cleaning glass, it is recommended at least every 20 days once clean external optical system, at least every 30/60 days of a clean internal optical system.

Do not use alcohol and other organic solvents to clean lamp shell, so as to avoid causing damage.

General Troubleshooting

Failure description	**measure**
Fail to start	power fuse intact bulb
the normal lamp isn't controlled by the controller	1. Inspect DMX start address setting 2. check XLR signal lines
Intermittent working	Inspect the dust and oil of the fans， whether the dust plug fans and Nets fans
Dim light, the brightness decrease	1.buble's expiry 2.check whether the optical system is clean
Beam impurities (halo)	Clean the dust and oil of the light bulbs, lenses and other components
Serious beam distortion	1 Check whether the lens is ruptureing 2.Cleaning dust or oil

Main technical parameters

According to your first product model, you only need to refer to the " " sign project.

CM575

Input Voltage: 220V AC，50Hz
Consume Power: 750W
Lamp: HMI575 discharge
Color: Basic color 7 color + white, adjustable speed rainbow effect
Gobo / rotation: rotating gobo wheel: 7 gobos + white, bi-directional rotary at variable speed
Prism: prism, Variable speed rotation.
Dimmer / strobe: dimmer, 1-7 times / second
Focus Electronics: linear zoom
Rotating angle: horizontal 540 °, vertical 270
Control way: DMX512，12 chanels
Operation modes: stand-alone mode, the controller mode, Master / Slave synchronization mode
Other functions: adjustable horizontal, vertical speed
Housing: aluminum alloy + high temperature engineering plastics
Net Weight : 27 kg
Packing Size: 560*470*610mm

CKLite
Professional Stage Lighting